



**US Army Corps
of Engineers®**

Detroit District
P.O. Box 1027
Detroit, MI 48231-1027
(313) 226-6796
FAX - (313) 226-3519

Notice to Navigation Interests

Notice No. L01-71

Date: 4 OCTOBER 2001

Waterway: LAKE HURON

Location: MICHIGAN

CELRE-ET-OT-T

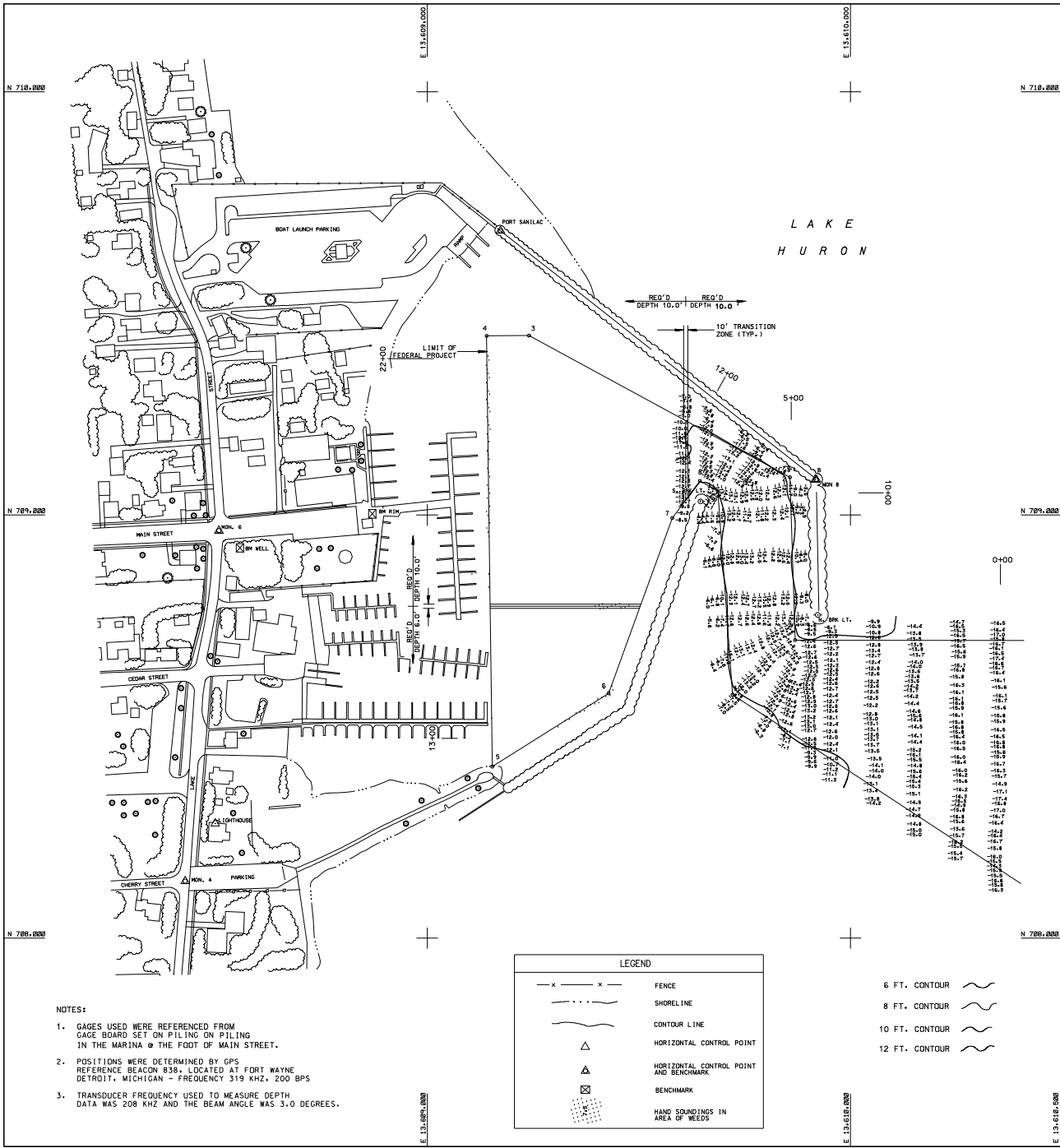
CONDITION OF FEDERAL NAVIGATION CHANNEL
PORT SANILAC HARBOR

1. After dredging surveys performed within the Federal navigation entrance channel at Port Sanilac Harbor, Michigan during September 2001, indicate the 12 ft. project depth is now available.
2. Mariners are urged to use extreme caution in the area.
3. All inquiries should be addressed to CELRE-ET-OT-T and should refer to Notice to Navigation Interests No. L01-71. Internet address: <http://huron.lre.usace.army.mil/OandM/o&m.html>

RICHARD J. POLO, JR.
Lieutenant Colonel, U.S. Army
District Engineer

Notice to the Postmaster:

It is requested that the above notice be conspicuously and continuously posted until November 30, 2001.



LEGEND

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THE TIME.

LOW WATER DATUM

ELEVATIONS AND PROJECT DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM: (1955) AT ELEVATION 576.8 FT. ABOVE MEAN WATER LEVEL AT FATHER POINT, QUEBEC.

GRID COORDINATES

GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

DIRECTIONS

ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

PROJECT DEPTHS

PROJECT DEPTHS ARE AS INDICATED ABOVE.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY FRED LEECH, PARTY CHIEF, ABOARD THE USACE SURVEY LAUNCH 3043.

AUTOMATED EQUIPMENT USED

POSITIONING: STARLINK DGPS
DATA PROCESSOR: DELL PC
SOFTWARE: COASTAL OCEANOGRAPHICS
PLOTTER: ENCAD, CADJET 2
SONIC SOUNDER: INNERSPACE 448

NOTES:

1. GAGES USED WERE REFERENCED FROM GAGE BOARD SET ON PILING ON PILING IN THE MARINA @ THE FOOT OF MAIN STREET.
2. POSITIONS WERE DETERMINED BY GPS REFERENCE BEACON 838, LOCATED AT FORT WAYNE DETROIT, MICHIGAN - FREQUENCY 319 KHZ, 200 BPS
3. TRANSDUCER FREQUENCY USED TO MEASURE DEPTH DATA WAS 208 KHZ AND THE BEAM ANGLE WAS 3.0 DEGREES.

CHANNEL CONTROL DATA

STATION NUMBER	DESCRIPTION	COORDINATES	
		NORTH	EAST
1	CHANNEL LINE	708704.134	13609869.238
2	CHANNEL LINE	708939.072	13609857.032
3	CHANNEL LINE	709422.935	13609240.344
4	CHANNEL LINE	709423.115	13609140.396
5	CHANNEL LINE	709400.285	13609135.719
6	CHANNEL LINE	708576.526	13609428.288
7	CHANNEL LINE	709084.195	13609178.491
8	CHANNEL LINE	709080.267	13609644.772
9	CHANNEL LINE	709056.474	13609686.368
10	CHANNEL LINE	708774.959	13609721.302

SURVEY CONTROL DATA

STATION NUMBER	COORDINATES		ELEV.
	NORTH	EAST	
PORT SANILAC	709+671.28	13+609+172.93	584.89
1	709+533.34	13+607+883.22	
2	709+081.58	13+607+889.43	
MON. 4	709+144.47	13+608+428.10	599.96
MON. 6	709+962.543	13+608+507.67	594.56
B (NGS)	709+083.36	13+609+916.91	
N.BRK LT (NGS)	709+753.16	13+609+362.80	
S.BRK LT (NGS)	709+081.99	13+609+645.79	
CAWK (NGS)	709+950.28	13+605+074.58	
CATH.CH (NGS)	707+911.15	13+591+933.58	
CONCH.CH (NGS)	704+809.25	13+604+611.60	
LICHTHOUSE (NGS)	704+270.86	13+604+498.99	
METH.CH (NGS)	704+966.93	13+607+358.80	
MON. 8	709+083.12	13+609+313.04	586.88
SW RTW			592.989
SW WELL			599.258

U.S. ARMY ENGINEER DISTRICT, DETROIT
CORPS OF ENGINEERS
DETROIT, MICHIGAN

PORT SANILAC HARBOR, MI

AFTER SOUNDINGS
C.S. 0+00 TO C.S. 11+55
05 SEP 2001
DETROIT AREA OFFICE

DESIGNED BY: []
DRAWN BY: []
CHECKED BY: []
REVIEWED BY: []
SUBMITTED BY: []
APPROVAL: []
P.E.

SCALE AS SHOWN
CADD FILE NAME: PSM1484.dgn
SHEET 1 OF 1
p1480101a.dgn



**US Army Corps
of Engineers®**

Detroit District
P.O. Box 1027
Detroit, MI 48231-1027
(313) 226-6796
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Notice to Navigation Interests

Notice No. L01-22

Date: 22 MARCH 2001

Waterway: LAKE HURON

Location: MICHIGAN

CELRE-ET-OT-T

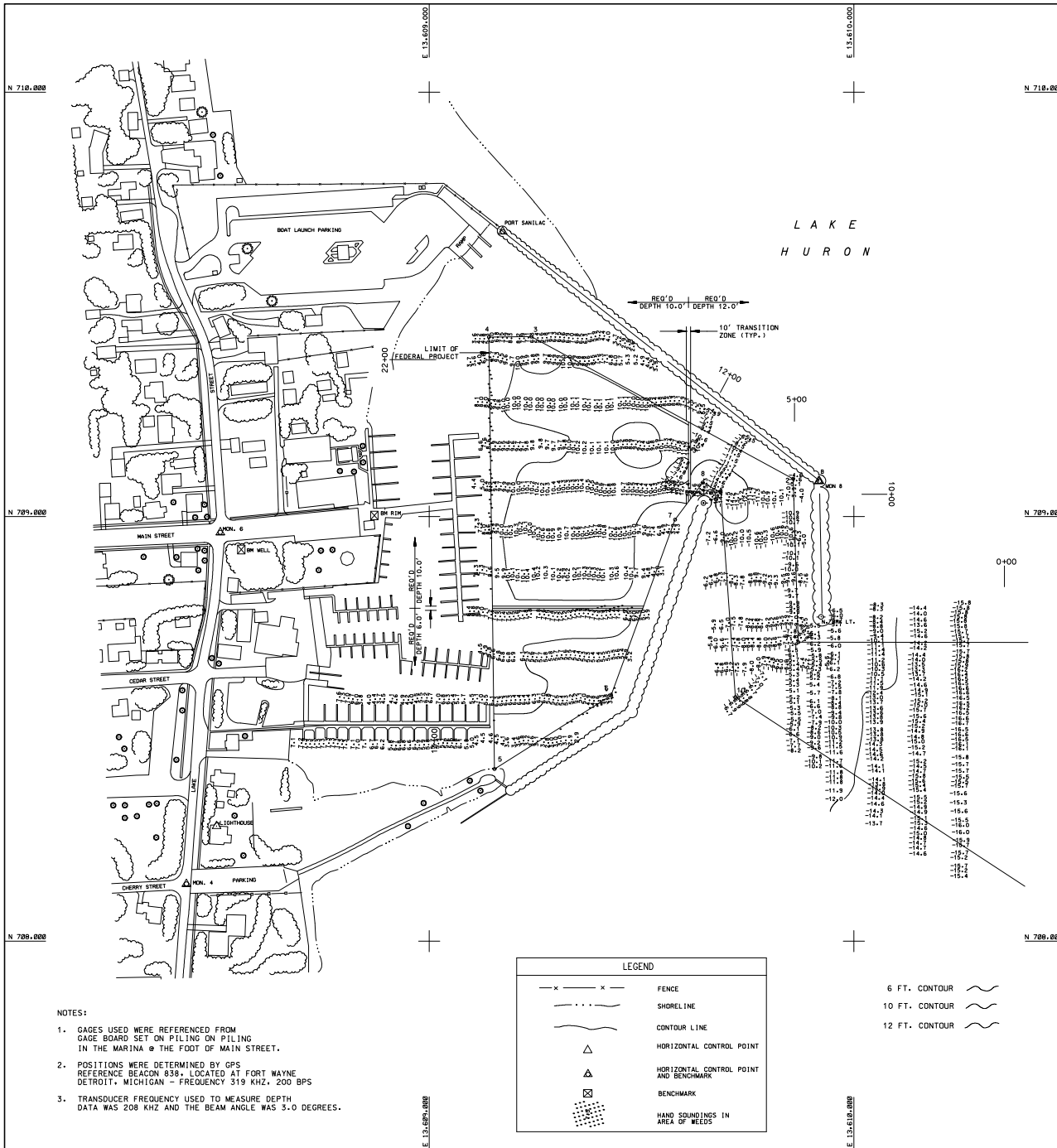
CONDITION OF FEDERAL NAVIGATION CHANNEL PORT SANILAC HARBOR

1. Condition surveys performed within the Federal navigation channel at Port Sanilac Harbor, Michigan during May - August 2000, indicate shoaling as shown on the back of this sheet. Dredging scheduled for the 2001 navigation season has been cancelled. (Update 23 May 2001)
2. Vessel operators should use caution when navigating within this area.
3. All inquiries should be addressed to CELRE-ET-OT-T and should refer to Notice to Navigation Interests No. L01-22. Internet address: <http://huron.lre.usace.army.mil/OandM/o&m.html>

RICHARD J. POLO, JR.
Lieutenant Colonel, U.S. Army
District Engineer

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LEGEND

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LOW WATER DATUM

ELEVATIONS AND PROJECT DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM, (1955) AT ELEVATION 576.8 FT. ABOVE MEAN WATER LEVEL AT FATHER POINT, QUEBEC.

GRID COORDINATES

GRIDS SHOWN ARE BASED ON NATIONAL GEODETIC SURVEY PROJECTION TABLES, STATE OF MICHIGAN, SOUTH ZONE (2113), LAMBERT PROJECTION, 1983 NORTH AMERICAN DATUM.

DIRECTIONS

ALL DIRECTIONS ARE GRID AZIMUTHS REFERRED TO NORTH ZERO.

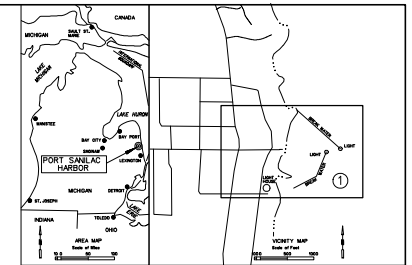
PROJECT DEPTHS

PROJECT DEPTHS ARE AS INDICATED ABOVE.

THE AUTOMATED ELECTRONIC SURVEY WAS CONDUCTED BY FRED LEECH, PARTY CHIEF, ABOARD THE USACOE SURVEY LAUNCH 3043.

AUTOMATED EQUIPMENT USED

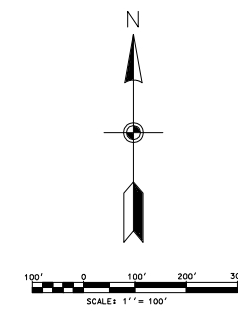
POSITIONING: STARLINK DGPS
DATA PROCESSOR: DELL PC
SOFTWARE: COASTAL OCEANOGRAPHICS
PLOTTER: ENCAD, CADJET 2
SONIC SOUNDER: INNERSPACE 448



- NOTES:**
- THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THAT TIME.
 - ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 576.8 FEET ABOVE MEAN SEA LEVEL (1955).
 - PROJECT DEPTHS FOR THIS AREA ARE 6.0, 10.0, AND 12.0 FEET.
 - THE GRID COORDINATE SYSTEM SHOWN IS REFERENCED TO THE MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, SOUTH ZONE (2113), NORTH AMERICAN DATUM 1983 (NAD 83), US FOOT.

CHANNEL CONTROL DATA			
STATION NUMBER	DESCRIPTION	COORDINATES	
		NORTH	EAST
1	CHANNEL LINE	708.172.074	13.610.335.212
2	CHANNEL LINE	708.171.582	13.610.324.739
3	CHANNEL LINE	708.170.237	13.610.324.754
4	CHANNEL LINE	708.168.583	13.610.324.754
5	CHANNEL LINE	708.168.583	13.610.324.754
6	CHANNEL LINE	708.168.583	13.610.324.754
7	CHANNEL LINE	708.168.583	13.610.324.754
8	CHANNEL LINE	708.168.583	13.610.324.754
9	CHANNEL LINE	708.168.583	13.610.324.754
10	CHANNEL LINE	708.168.583	13.610.324.754

SURVEY CONTROL DATA			
STATION NUMBER	COORDINATES		ELEV.
	NORTH	EAST	
PORT SANILAC	708.671.28	13.609.172.93	584.89
1	708.593.34	13.607.883.22	
2	708.593.34	13.607.883.22	
MON. 4	708.134.47	13.608.428.10	599.36
MON. 6	708.362.443	13.608.507.67	594.56
B (NGS)	709.083.36	13.609.816.31	
N.BRK. LT. (NGS)	709.163.16	13.609.922.80	
S.BRK. LT. (NGS)	709.031.89	13.609.645.79	
TANK (NGS)	709.950.28	13.605.074.38	
CATH.CH. (NGS)	707.911.15	13.591.993.59	
COND.CH. (NGS)	708.809.25	13.608.611.60	
LIGHTHOUSE (NGS)	708.270.86	13.608.498.19	
WETH.CH. (NGS)	708.366.93	13.607.358.80	
MON. 8	709.083.62	13.609.919.04	586.89
SW BIV			587.999
BM WELL			589.258



NO.	DATE	REVISION	BY
U.S. ARMY ENGINEER DISTRICT, DETROIT CORPS OF ENGINEERS DETROIT, MICHIGAN			
DESIGNED BY**	PORT SANILAC HARBOR, MI CONDITION SOUNDINGS C.S. 0+00 TO C.S. 22+00 27 APR & 03 MAY 2000 DETROIT AREA OFFICE		
DRAWN BY**			
CHECKED BY**			
REVIEWED BY**			
SUBMITTED BY**	APPROVAL RECOMMEND**	F.E.	
CHIEF, PROJ./OPS-SECT	CHIEF, DTS BRANCH		
APPROVED**	SCALE AS SHOWN		
COL., C.E. DISTRICT ENGINEER	CADD FILE NAME	PSM01434.DGN	
CHIEF, CONCT - OPNS DIVISION	DRAWING NUMBER	01401000-001	
		SHEET 1 OF 1	